DOCUMENT RESUME

ED 363 819 CG 026 002

AUTHOR Sampson, James P., Jr.; Reardon, Robert C.
TITLE Computer-Assisted Career Guidance: Choices

Bibliography.

INSTITUTION Florida State Univ., Tallahassee. Center for the

Study of Technology in Counseling and Career

Development.

PUB DATE 21 Sep 93

NOTE 9p.; For related documents, see CG 026 003-011.

PUB TYPE Reference Materials - Bibliographies (131)

EDRS PRICE MF01/PC01 Plus Postage.

DESCRIPTORS *Career Counseling; Career Development; *Career

Guidance; *Computer Uses in Education

IDENTIFIERS *CHOICES (Program); *Computer Assisted Career

Guidance

ABSTRACT

This bibliography, along with other bibliographies developed by the Center for the Study of Technology in Counseling and Career Development, is intended to assist practitioners, researchers, policy makers, and system developers in identifying and locating sources of information on the design and use of computer-assisted career guidance (CACG) systems. The ultimate aim of this effort is to improve the availability and quality of career and educational services to children, adolescents, and adults. This Choices bibliography contains references to several past and present versions of Choices. The bibliography is organized into five sections. The Systems section identifies current versions of Choices. The Theoretical and Research Foundations section includes the theory and research that has guided the development of Choices. The Evaluation and Research Reports section includes investigations of the impact of Choices in meeting the needs of various populations. The Program Descriptions section includes reports of the use of Choices within various organizations. The Support Materials section includes print-based and video-based materials for professionals and individual users that are designed to enhance the effectiveness of Choices. Citations are organized alphabetically by author in each section. A total of 63 citations are included. (Author/NB)



COMPUTER-ASSISTED CAREER GUIDANCE: CHOICES BIBLIOGRAPHY

by

James P. Sampson, Jr. Robert C. Reardon

September 21, 1993

Center for the Study of Technology in Counseling and Career Development
215 Stone Building
The Florida State University
Tallahassee, Florida 32306-3001

The Choices Bibliography contains references to several past and present versions of Choices. From the original computer-assisted career guidance system, entitled Choices, additional systems have been developed for special populations and settings. The following general versions of Choices software exist:

Choices - intended for use in high schools, vocational-technical schools, public libraries, and correctional institutions.

Choices CT (for Adults in Career Transitions) - intended for use in community colleges, colleges, universities, employment services, public libraries, correctional institutions, military bases, and human resource development settings in organizations.

Choices Jr - intended for use in junior high schools and middle schools.

The following specific versions of Choices software exist:

National Versions (Includes national information)

Choices and Choices CT
Belgium (in Flemish and French)
Canada (in English and French)
France (in French)
Hungary (in Hungarian with data from Hungary)
Luxembourg (in French with data from Belgium)
The Netherlands (in Dutch)
United States (in English)

Choices Jr Canada (Canadian data in English & French) United States (USA data in English)

State Versions (Includes state-specific information in English)

Choices and Choices CT Arizona California Colorado District of Columbia

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY

T. Sampoon

U.S. DEPARTMENT OF EDUCATION Office of Educational Research and Improvement EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

- This document has been reproduced as received from the person or organization originating it.
- ☐ Minor changes have been made to improve reproduction quality
- RCES

Florida * 1
Indiana *
Iowa *
Louisiana *
Maine *
Mississippi *
Missouri *
New Hampshire
New York
North Dakota *
Utah *
Vermont *

Territory Versions (Includes territory-specific information)

Choices and Choices CT
Guam *
Northern Mariana Islands *

This bibliography, along with other bibliographies developed by the Center for the Study of Technology in Counseling and Career Development, is intended to assist practitioners, researchers, policy makers, and system developers in identifying and locating sources of information on the design and use of computer-assisted career guidance (CACG) systems. The ultimate aim of this effort is to improve the availability and quality of career and educational services to children, adolescents, and adults. Bibliographies are available on General CACG Issues and CACG Ethical Issues, as well as bibliographies on specific CACG systems (Choices, DISCOVER, and SIGI PLUS).

The reader is cautioned against making generalizations about the equivalence of different versions of a computer-assisted career guidance (CACG) system when substantial <u>content</u> and <u>process</u> changes have been made over time. Features that were or were not effective in one version of a CACG system may not be retained in revised versions. In situations where CACG system <u>content</u> or <u>process</u> changes have occurred, practitioners and researchers need to evaluate the issue of equivalency either through existing research, or at a minimum, by conducting a thorough comparison of system features.

This bibliography is organized as follows: Systems, Theoretical and Research Foundations, Evaluation and Research Reports, Program Descriptions, and Support Materials. Systems identifies current versions of Choices. Theoretical and Research Foundations includes the theory and research that has guided the development of Choices. Evaluation and Research Reports includes investigations of the impact of Choices in meeting the needs of various populations. Program Descriptions includes reports of the use of Choices within various organizations. Support Materials includes print-based and video-based materials for professionals and individual users that are designed to enhance the effectiveness of Choices.

The Center for the Study of Technology in Counseling and Career Development does not provide copies of the original documents. To locate the original documents, please refer to the appropriate journal, book, or sponsoring

^{1 * =} Indicates official State Occupational Information Coordinating Committee designation as a computer-based career information delivery system.



organization. Additional information on Choices may be obtained from: Careerware, 810 Proctor Avenue, Industrial Park Building #3, Ogdensburg, New York, 13669 or Careerware, 2220 Walkley Road, Ottawa, Ontario, Canada, K1G 5L2, (800) 267-1544. General information on computer-based career information delivery systems may be obtained from the Association of Computer-Based Systems for Career Information, 5999 Stevenson Avenue, Alexandria, VA 22304-3300, (703) 823-9800 - extension 309.

Funding for computer-assisted career guidance bibliographies produced by the Center for the Study of Technology in Counseling and Career Development is currently provided by The Florida State University. Previous funding for the development of bibliographies was provided by the W. K. Kellogg Foundation, the Florida Department of Education Bureau for Career Development, and the Florida State University. Appreciation is expressed to Stephen J. Leierer, Alian McPeak, and Frederick C. Levy for their contributions to previous editions of this bibliography.

Systems

- Careerware: ISM Corporation. (1993). <u>Choices</u> (Canadian Version) [Computer program]. Ottawa, Ontario: Author.
- Careerware: ISM Corporation. (1993). <u>Choices</u> (USA Version) [Computer program]. Ottawa, Ontario: Author.
- Careerware: ISM Corporation. (1993). Choices CT (Canadian Version) [Computer program]. Ottawa, Ontario: Author.
- Careerware: ISM Corporation. (1993). Choices CT (USA Version) [Computer program]. Ottawa, Ontario: Author.
- Careerware: ISM Corporation. (1993). Choices Jr (Canadian Version) [Computer program]. Ottawa, Ontario: Autnor.
- Careerware: ISM Corporation. (1993). Choices Jr (USA Version) [Computer program]. Ottawa, Ontario: Author.

Theoretical and Research Foundations (Canadian and USA Versions)

- Jarvis, P. S. (1976). Choices: A proposal for computerized occupational information system for career and employment counseling. Ottawa, Ontario: Occupational Analysis and Development Branch. Strategic Planning and Research Division, Department of Manpower and Immigration.
- Jarvis, P. S. (1989). <u>Career Planning: Developing the Nation's Primary Resource</u>. Unpublished manuscript, Careerware: STM Systems Corp., Ottawa, Ontario.
- Jarvis, P. S. (1990). A nation at risk: The economic consequences of neglecting career development. <u>Journal of Career Development</u>, <u>16</u>, 157-171.
- Turgeon, P. P. (1980). Some vocational counselling construct underpinnings within the "Choices" system. <u>Canadian Counselor</u>, <u>13</u>, 157-161.



Evaluation and Research Reports (Canadian Version)

- British Columbia Occupational Training Council & British Columbia Systems Corporation. (1980). <u>British Columbia Choices pilot study February June 1980</u>. Unpublished manuscript, Author.
- Casserly, M. C. (1977). Choices field trial report: May 30 June 3, 1977.
 Unpublished manuscript, Occupation and Career Analysis and Development Branch, Department of Manpower and Immigration, Ottawa.
- Casserly, M. C. (1978). A proposal: The cost effectiveness of CHOICES in comparison to the current counselling system in use in Canada employment centres. Unpublished manuscript, Occupation and Career Analysis and Development Branch, Department of Manpower and Immigration, Ottawa.
- Cassie, J. R. (1979). A comparative analysis of Choices and S.G.I.S.: Selected aspects of on-line and batch delivery systems for computer-assisted guidance services. Toronto, Ontario: Ontario Department of Education. (ERIC Document Reproduction Service No. ED 180 132)
- Clyde, J. S. (1979). <u>Computerized career information and guidance systems</u>. Columbus, OH: The National Center for Research in Vocational Education. (ERIC Document Reproduction Service No. ED 179 764d)
- Department of Manpower and Immigration. (1979). Evaluation of the first generation of Choices in a field setting: October 1, 1977 to March 31, 1978. Unpublished manuscript, Occupation and Career Analysis and Development Branch.
- Guerette, J. L. (1980). A survey of student attitudes toward the use of Choices. Paper presented at the World Seminar of Employment Counseling, Ottawa, Ontario.
- Maritime Provinces Education Foundation. (1990). Evaluation of Choices. Halifax, Nova Scotia, Canada.
- Occupational Training Council Counseling Committee. (1980). An evaluation of Choices. Unpublished manuscript, Author, British Columbia.
- Pupil Personnel Services Branch. (1980). Choices: A review of progress to date and a proposal for future development. Unpublished manuscript, New Brunswick Department of Education.
- Rankine, F., Barteaux, B., Briant, N., Jewsberry, A., LaPlante, A., MacIntosh, A., & Sweezey, J. (1978). Evaluation report: Computerized Heuristic Occupational Information and Career Exploration System (Choices). Unpublished document, Occupational and Career, Analyses and Development Branch, Department of Manpower and Immigration, Ottawa, Ontario.
- Sloan, B., & Laird, D. (1982). Change from Choices: The effects of introducing computer-guidance counselling in British Columbia, <u>Education Canada</u>, <u>22</u>, 22-25.



Turpin, J. A., Moore, B., Marshall, A., & Brown, H. (1983). <u>Career counselling</u> with Choices really helps. Unpublished manuscript, Alexander Galt Regional High School.

Evaluation and Research Reports (USA Version)

- Ham, T. L. (1982, December). CHOICES: Evaluation and analysis of effect on career concerns. Paper presented at the annual convention of the American Vocational Association, St. Louis, MO. (ERIC Document Reproduction Service No. ED 227 279)
- Heppner, M. J., & Johnston, J. A. (1985). Computerized career guidance and information systems: Guidelines for selection. <u>Journal of College Student Personnel</u>, 26, 156-163.
- Kimberly, R. M. (1989). An examination of the effectiveness of the Choices computer assisted career guidance system with post secondary vocational business students. (Doctoral dissertation, Texas A & M University, 1988). Dissertation Abstracts International, 49, 2633A.
- Sampson, J. P., Jr., Reardon, R. C., Humphreys, J. K., Peterson, G. W., Evans, M. A., & Domkowski, D. (1990). A differential feature-cost analysis of nine computer-assisted career guidance systems (3rd. Ed.). <u>Journal of Career Development</u>, <u>17</u>, 81-111.

Evaluation and Research Reports (Florida Version)

- Florida Department of Education Bureau for Career Development. (1983). A pilot study of consistency between the printed and computer-delivered selfectimates used in Choices with high school students. Unpublished manuscript, Author, Tallahassee, FL.
- Goldberg, L. A., Reardon, R. C., & Bonnell, R. O., Jr. (1980). Choices: In career planning. Florida Vocational Journal, 6(2), 17-19.
- Kennedy, W. F. (1986). <u>Air Force pre-enlistment personnel job classification: A decision support system approach</u>. Unpublished doctoral dissertation, Nova University, Ft. Lauderdale, FL.
- King, F. J. (1981). <u>Reduction of reading levels of counseling</u>. Unpublished manuscript, Florida Department of Education, Bureau for Career Development Tallahassee.
- King, F. J. (1982). A summary of the usefulness of Florida Choices in Florida CETA settings. Unpublished manuscript, Florida Department of Education, Bureau for Career Development, Tallahassee.
- King, F. J., Smith-Dann, J., Schwallie-Giddis, P., Rogers, Z., & Kennedy, R. (1987). Evaluation of the ASVAB Career Development Program: Interim Report #1. Unpublished manuscript, Florida Department of Education, Bureau for Career Development, Tallahassee.



- Pinder, F. A. (1982). Effectiveness of Choices in improving the career decision making process by university students. <u>Dissertation Abstracts International</u>, 44, 0677A.
- Pinder, F. A., & Fitzgerald, P. W. (1984). The effectiveness of a computerized guidance system in promoting career decision making. <u>Journal of Vocational Behavior</u>, <u>24</u>, 123-131.
- Reardon, R. C., Bonnell, R. O., Jr & Huddleston, M. R. (1982). Self-directed career exploration: A comparison of Choices and the Self-Directed Search. <u>Journal of Vocational Behavior</u>, 20, 22-30.
- Thomas, G. R. (1983). A brief review of research regarding the validity of expressed versus assessed indicators of career interests. Unpublished manuscript. Florida Department of Education, Bureau for Career Development, Tallahassee.

Program Descriptions (Canadian Version)

- Feron, D. J. (1982). Choices, the Nova Scotia experience: C-A guidance is here to stay. Education Canada, 22, 18-21.
- France, H., & McDowell, C. (1982). A peer counselling model for computer-assisted counselling. <u>Canadian Counsellor</u>, <u>16</u>, 206-212.
- Jacobson, M. D., & Grabowski, B. T. (1982). Computerized systems of career information and guidance: A state-of-the-art. <u>Journal of Educational</u> <u>Technology Systems</u>, <u>10</u>, 235-255.
- Jarvis, P. S. (1978). Choices: The system and its applicability to school counseling. The School Guidance Worker, 33(3), 4-12.
- MacFarlane, J. (1985). Choices: The perspective of participating students and staff, Year 1. Willowdale, Ontario: North York Board of Education. (ERIC Document Reproduction Service No. ED 277 714)
- McDonald, P. S. (1985). "Choices" in a university setting. <u>Canadian Counsellor</u>, <u>19</u>, 231-234.
- Occupational and Career Analysis and Development Branch. (1981). Methods and materials of vocational counselling: Student manual, Ottawa, Ontario: Canada Employment Immigration Commission. (ERIC Document Production Service ED 218 449)
- Thomas, R. E. (1980). Methods and materials of vocational counselling:

 Instructional manual (2nd ed.). Ottawa, Ontario: Nova Scotia Region
 Employment Service. (ERIC Document Reproduction Service No. ED 218 449)



Program Descriptions (State Versions)

Association of Computer-Based Systems for Career Information. (1992). <u>Directory of state-based career information systems</u>, 1992 - 1993. Eugene, OR: Author. (ERIC Document Reproduction Service ED 266 390)

Program Descriptions (Florida Version)

Ruane, R. (1979). The Choices program. Florida Vocational Journal, 4(5), 9.

Support Materials (Canadian and USA Versions)²

- Careerware: ISM Systems Corporation. (1993). <u>Careerware bulletin</u>. Ogdensburg, NY: Author.
- Careerware: ISM Systems Corporation. (1993). <u>Careerware news</u>. Ogdensburg, NY: Author.
- Careerware: ISM Systems Corporation. (1993). Choices and Choices CT: Operating instructions. Ogdensburg, NY: Author.
- Careerware: ISM Corporation. (1993). Choices and Choices CT: Training manual. Ottawa, Ontario: Author.
- Careerware: ISM Systems Corporation. (1993). Choices and Choices CT: Workshop training materials. Ogdensburg, NY: Author.
- Careerware: ISM Systems Corporation. (1993). <u>Choices/Choices CT: Instructional video</u> [videotape]. Ogdensburg, NY: Author.
- Careerware: ISM Systems Corporation. (1993). <u>Choices/Choices CT: Instructional video manual</u>. Ogdensburg, NY: Author.
- Careerware: ISM Corporation. (1993). Choices classroom activities. Ottawa, Ontario: Author.
- Careerware: ISM Corporation. (1993). Choices Jr professional manual. Ottawa, Ontario: Author.
- Careerware: ISM Systems Corporation. (1993). Choices implementation team orientation manual. Ogdensburg, NY: Author.
- Careerware: ISM Systems Corporation. (1993). Choices occupations database. Ogdensburg, NY: Author.
- Careerware: ISM Systems Corporation. (1993). <u>Customer satisfaction survey</u>. Ogdensburg, NY: Author.

² Support materials for USA versions of Choices, Choices CT, and Choices Jr are similar to corresponding Canadian versions. System support materials are generally available for all state versions of Choices and Choices CT. For information on specific Choices support materials, contact Careerware: ISM Corporation.



- Careerware: ISM Systems Corporation. (1993). Introducing the Career Area Interest Checklist and Choices 94. Ogdensburg, NY: Author.
- Careerware: ISM Systems Corporation. (1993). Profile. Ogdensburg, NY: Author.
- Kinnison, J., MacCallum, B. (1993). <u>Choices professional manual</u>. Ottawa, Ontario: Careerware: ISM Corporation.
- Lapointe, C. (Ed). (1993). <u>Choices guide</u>. Ottawa, Ontario: Careerware: ISM Corporation.

